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ABSTRACT

The fourth in a series of summaries based on quarterly reports submitted by the Southern Rural Development Center's (SRDC) Functional Networks, these reports constitute a compilation of the Networks' activities from January 1976 to April 1977. The 10 Networks currently in operation are described as involving 93 professionals and representation from all of the 13 southern states in cooperation with some 49 institutions for purposes of bringing together recognized experts, professionals, and educators who will pull together and evaluate rural development research in several key areas and disseminate this information via research synthesis papers, consultations, and workshops. Each Network is described by means of a summary of its quarterly reports. A table is presented which details each Network's Center Associate, proposal duration, and title or focus of interest. The Network titles are identified as follows: land use issues; citizen participation; evaluative research literature; small farm operations; industrial development; health care; educational needs projection; impact of governmental transfer payments on human resource development; solid waste disposal and financing; and housing research. (JC)

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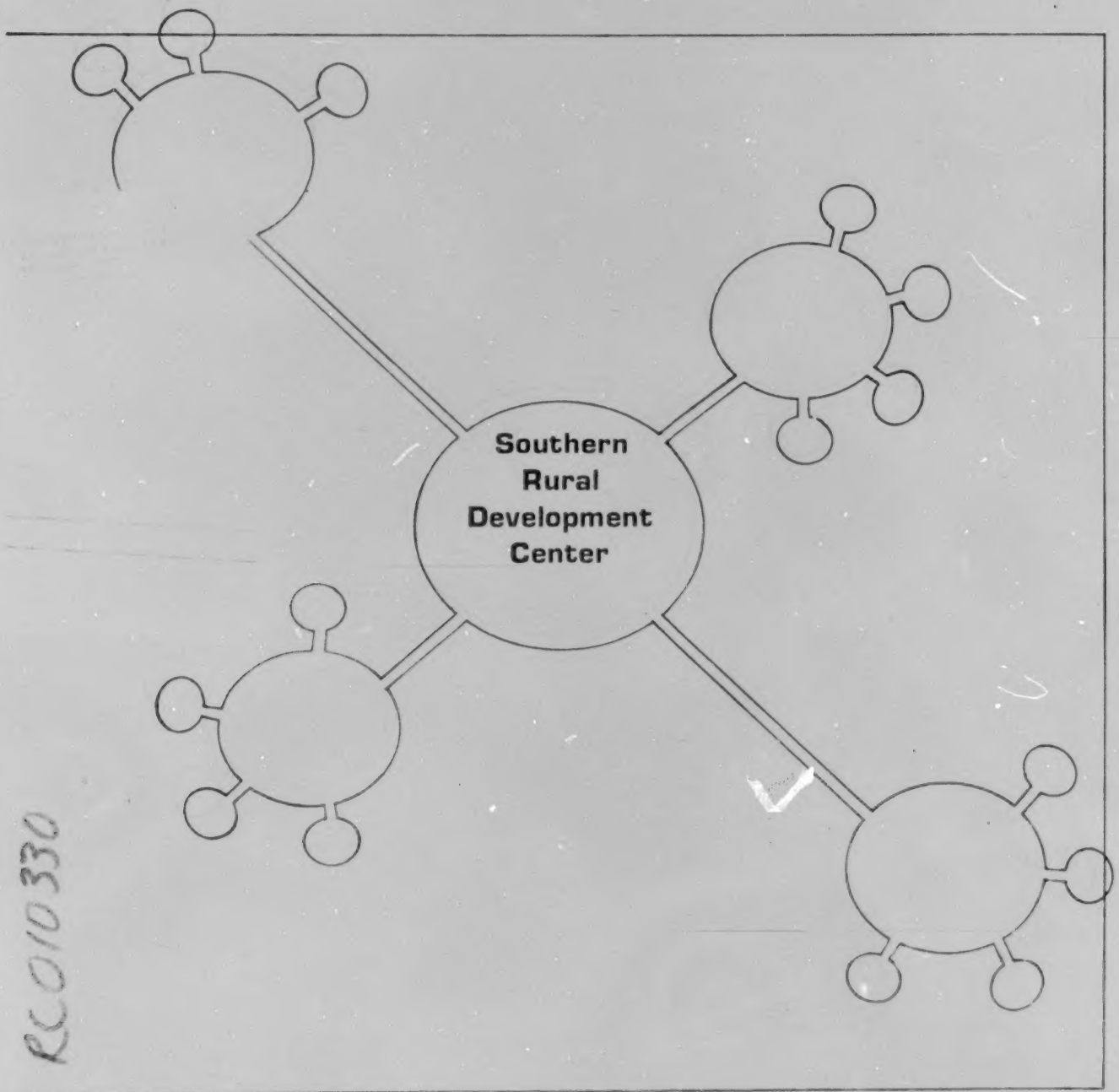
Annual Report
Functional Networks
1976-77



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SRDC Series Publication No. 21

FOREWORD

This is the fourth in a series of summaries based on quarterly reports submitted by the Southern Rural Development Center's Functional Networks. These reports make a year-end compilation of activities.

The Functional Networks were established by the SRDC as an approach to synthesizing and disseminating research information concerning rural development throughout the South.

There are currently ten Networks in operation. Under the leadership of their Center Associates, they bring together recognized experts, professionals and educators, from across the region to pull together and evaluate rural development research in several key areas.

In various stages of completion of their responsibilities, the Networks are readying for publication several documents of interest to personnel working in rural development. A 10-volume bibliography series is underway; several volumes will be available in the summer and fall of 1977. In addition, Networks are preparing summary papers based on their massive bibliography research. These "state of the art" papers contain the research synthesis. Networks' dissemination efforts continue by means of regional workshops to acquaint Research and Extension specialists with their findings.

This year-end summary report includes the Networks' activities from January 1, 1976, to April 1, 1977.

William W. Linder

William W. Linder
Director
Southern Rural Development Center

August 1977

ANNUAL REPORT

1976-77

FUNCTIONAL NETWORKS

SOUTHERN RURAL DEVELOPMENT CENTER

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ANNUAL REPORT

1976-77

FUNCTIONAL NETWORKS

SOUTHERN RURAL DEVELOPMENT CENTER

APPROACH TO PROBLEM SOLVING

One of the Southern Rural Development Center's approaches to problem solving is to bring together recognized experts, professionals, and educators from across the region. The task of these experts is to synthesize research in high-priority areas of rural development and to share their findings through consultation, workshops, and publications.

SOLUTION IN OPERATION

These cluster research groups operate under the name of Functional Networks and are led by a Center Associate. Key scientists and educators within the region are selected to serve as Center Associates who give of their time without pay. Funds are provided by the SRDC for research and clerical assistance, travel, and publication needs.

UNIQUE TO THE CENTER

The concept of Functional Networks, original with the Southern Rural Development Center, puts into practice the goal of regional participation in research and information dissemination. Center Associates are selected on the basis of proposals submitted to the Center indicating a desire to form a Network. Proposals must be in one area or subarea of the four main concerns of rural development:

People Building
Community Services and Facilities
Economic Development
Environmental Improvement

With consultation from the SRDC Advisory Committee, the Board of Directors of the Center reviews proposals and then approves funding.

FUNDING

Funding is approved for one year to study and implement the findings. The possibility of extending the funds is available to the Networks should the research and implementation stages require it.

CORRELATION THROUGH THE CENTER

Although each Network has a different assignment each has a common goal, to evaluate and catalog the current state of research knowledge in their area of responsibility. Their findings are correlated and assisted by the SRDC through disseminating the results in workshops, consultation, and publications such as bibliographies, fact sheets, research reports, and newsletters. The target audience for this information is rural development professionals and other appropriate groups.

THE WHY AND HOW

The Southern Rural Development Center has two main emphases: (1) to develop and provide knowledge essential to assist and support rural development in the region, and (2) to provide technical consultation and personnel development for the Research and Extension staffs to help them

be more responsive to rural development needs and activities.

Much current research which can help to answer some of the urgent problems of rural development has not become well enough known to be used effectively. While this concern is not unique to rural development, it is of paramount importance that what is known, what is available, what is useful be accessible. Are communications problems, clientele resistance and lack of research relevancy the cause of this discrepancy?

Whatever the cause, one obvious remedy is a wide-ranging, inclusive information search to document what is known and applicable in specific priority problem areas of rural development. For this reason the SRDC has formed the Functional Networks. Their task is to get at these specific problems and to inventory the current state of knowledge helpful in solving them.

COMPONENTS OF THE INVESTIGATION

Bringing forth the knowledge needed to attack problems and meet opportunities in rural development requires both dedication and experience in these problem areas. The Center Associates, who have organized their Networks' personnel and studies, bring these qualities to the task. With a special charge to meet the utilization needs of the final users--local governmental decision makers, special interest groups, etc.--the Networks have begun an inventory and synthesis of the research work available in their topic areas.

The Center Associates each selected a network of several Research and Extension personnel to serve with them in their study. In all there are 93 experts now lending their assistance to the Functional Networks' research and synthesis.

RESULTS OF THEIR EFFORTS

Each Network has been asked to dig into its topic area, to become immersed in the literature so as to be able to produce a final assessment of the "state of the art." What are the issues? Where are the gaps in our knowledge? What can we do to remedy any knowledge lags?

To this end, the Networks will produce a final annotated bibliography of useful and pertinent citations, along with an overview paper aimed at the audience of users. Here is where the impact of this research will be felt. In addition, technical and general-interest publications may be forthcoming. Some bibliographies are currently in press. Others will be later in the 1977 year.

INFORMATION-DISSEMINATION

Making this knowledge available where it will do the most good--this is another vital concern of the Networks. Center Associates may plan workshops, hold sessions at professional conferences, or in other ways move their new knowledge out into the field of users--where it is needed. These plans will take shape as each Network nears completion and adjudges how best its findings can be disseminated.

FULL SCOPE

The full scope of regional involvement in these ten Networks is evident: 93 professionals are involved, and all of the 13 southern states are represented. Some 49 institutions are cooperating by offering the services of their staff as Center Associates and Network Members: 23 are 1862 institutions and 19 are 1890 institutions. In addition, 17 other institutions and agencies are involved. A total of 46 researchers and 31 Extension personnel and 16 from other fields has had a part in Network operations.

CURRENT STUDIES

Currently ten proposals have been approved. Following is an up-to-date list, with title, associate, and duration of study:

Network Title	Center Associate	Duration
Land Use Issues	Dr. Burl F. Long VPI & State University	June 15, 1975 Extended to Dec 31, 1976
Citizen Participation	Dr. Donald E. Voth University of Arkansas	July 14, 1975 Extended to May 30, 1977
Evaluative Research Literature	Dr. Arthur G. Cosby Texas A&M University	July 15, 1975 Extended to Dec 31, 1976
Small Farm Operations	Dr. W. Arden Colette University of Florida	Jan 1, 1976 Extended to Apr 30, 1977
Industrial Development	Dr. Eldon D. Smith University of Kentucky	Jan 1, 1976 Extended to May 1, 1977
Health Care	Dr. R. David Mustian North Carolina State University	Feb 1, 1976 Extended to Sept 30, 1977

Network Title	Center Associate	Duration
Educational Needs Projection	Dr. Gerald Wheelock Alabama A&M University	Feb 9, 1976 Extended to June 30, 1977
Impact of Governmental Transfer Payments on Human Resource Development	Dr. E. Evan Brown University of Georgia	Apr 1, 1976 Extended to Sept 30, 1977
Solid Waste Disposal and Financing	Dr. Michael Salkin Oklahoma State University	Apr 1, 1976 to Mar 31, 1977
Housing Research	Dr. Savannah S. Day Florida State University	May 24, 1976 to Aug 1, 1977

QUARTERLY REPORTS

Functional Networks submit reports of their work to the Center on a quarterly basis. This publication is the fourth in the series of reports and consists of a year-end compilation of activities.

LAND USE ISSUES

FIRST QUARTER

The Land Use Issues Network got under way July 1, 1975, with Dr. Burl F. Long as Center Associate. Dr. Long is Associate Professor in the Department of Agricultural Economics at Virginia Polytechnic Institute and State University.

Network members have convened twice. Their bibliography has been completed, and a workshop is tentatively scheduled for the Fall of 1976. The Land Use Issues Network plans to coordinate the workshop with meetings of other regional committees. All project objectives will be accomplished, to culminate in the workshop. Approximately 300 publications have been reviewed and evaluated. Most of these have been included in the annotated bibliography. Research projects in the region are being categorized in an additional undertaking. Results will be available in a separate publication, summarizing the findings. Major papers being prepared for the workshop may become part of the publication mentioned above.

SECOND QUARTER

The Network has not met as a group this quarter. The Center Associate has coordinated the work of subcommittees carrying out specific aspects of the inventory and evaluation. The Center Associate and his research assistants have been responsible for reviewing publications and Research and Extension programs and completing the

bibliography. A workshop is planned for December or January and will include Research and Extension personnel from throughout the region. The workshop will be coordinated with meetings of other regional committees. No additional funds are sought at this time, although the SRDC might be asked to handle publicity, etc., for the workshop.

The project has been delayed slightly and extended due to a relocation of the Center Associate (to the University of Florida as Visiting Professor) and return to Virginia Polytechnic Institute and State University. However, it is anticipated that project objectives will be accomplished and culminate with the workshop.

Members making up the Network are:

Dr. Burl F. Long, Center Associate
Associate Professor
Department of Agricultural Economics
VPI & State University

Dr. Michael Appleby
Environmental & Urban Systems
VPI & State University

Dr. Sandra Batie
Assistant Professor, Agricultural Economics
VPI & State University

Mr. Bob Chapin
Director of Land Use Center
Cooperative Extension Service
Mississippi State University

Dr. Leon Danielson
Extension Economist
Assistant Professor of Economics
North Carolina State University

Dr. Craig Infanger
Extension Specialist in Rural Development
Department of Agricultural Economics
University of Kentucky

Dr. Aga Khan
Virginia State College

Dr. J. Paxton Marshall
Department of Agricultural Economics
VPI & State University

Dr. Darrell Mundy
Department of Agricultural Economics
and Rural Sociology
University of Tennessee

THIRD QUARTER

By means of its intensive review of research in land use, this Network will assess the adequacy of research efforts and synthesize relevant concepts, approaches, and results useful in planning and implementing Research and Extension activities.

Also, an invited major paper is to be delivered at the Southern Agricultural Economics Association meeting in February 1977. The purpose of the paper is twofold. First it will clarify and prioritize land policy issues based upon economic principles and analysis. Second, it will comment upon the type of Research and Extension land use programs being carried out largely by agricultural economists, with particular reference to the South.

The paper will merely summarize the results of the findings by the Network in the area of research and educational programs for land use planning and policy in the South. A longer publication in greater detail will be reviewed for publication in the Southern Journal of Agricultural Economics.

Plans for the regional workshop and specific assignments to be carried out by individual members of the Network have been made. The overall theme of the workshop will be "Research-Extension Issues in Land Policy: Current Status, Needs, and Potentials."

The bibliography is nearing completion. It will list approximately 300 publications. The predominant number of Extension publications reviewed fell into the category of "policy alternatives education" and were descriptive rather than analytical. One finding of major importance came to light: when reviewing Research publications, very little empirical research has been reported by economists on the general topic of land use policy.*

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* The report for the fourth quarter was not available at press time.

CITIZEN PARTICIPATION

FIRST QUARTER

Work on the Citizen Participation in Rural Development Functional Network began midyear in 1975. Dr. Donald E. Voth, Assistant Professor of Rural Sociology, and Mr. William S. Bonner, Director of the Division of Community Affairs, both of the University of Arkansas, were appointed as Center Associates.

All or most of the objectives of this Network have been accomplished. To date, approximately 1,000 items have been obtained and classified into 36 subtopics. These subtopics have been assigned to Network members for synthesis. For example, research in the category "War on Poverty and Model Cities" has already been synthesized. In addition, a panel has been presented on the subject of citizen participation in rural development at the annual meeting of the Southern Association of Agricultural Scientists in February. The bibliography is scheduled to be published in June of 1976. The Network will make a panel presentation to the 1976 Annual Meeting of the Community Development Society in Boise, Idaho, in the Fall. The workshop for regional dissemination of information will also take place in the Fall of 1976.

SECOND QUARTER

It was decided during this quarter to hold a third meeting of the Network in Boise, Idaho, August 2, 1976, immediately prior to the Community Development Society

Meetings, to be held in the same city. Actual accomplishments during the quarter follow.

A format for the final bibliography has been developed and additional citations have been identified and obtained. Preliminary permission has been secured to reprint a large portion of the abstracts and annotations that will be used, and formal, written permission has been obtained for some of them.

Approximately 150 pages of the final bibliography have been composed and typed. The total bibliography will be approximately 400 to 450 pages long, including approximately 2,000 to 2,200 items. Two persons are now working on this composition and typing so this task should be finished by the end of July.

The following subject matter areas have preliminary syntheses written:

a. OEO and Model Cities (this synthesis has been revised and will be presented at the meetings of the Community Development Society).

b. Publicly owned natural resources (Forest Service, National Park Service, Bureau of Land Management, Corps of Engineers).

c. Health.

d. Voluntary associations.

e. Urban renewal and housing.

Other areas which are nearing completion are:

a. State and local government.

b. Areawide planning and development.

c. Transportation planning.

d. Revenue sharing.

Finally, there are two which should be near completion which are being done off the Fayetteville campus, as follows:

a. Community Development Corporations and Cooperatives.

b. Community Resource Development.

These preliminary research syntheses involve both analyses performed by Network members or others whom they have designated, and selected "readings" gleaned from the existing literature.

At the final meeting in Boise, Idaho, August 2, a decision will be made about the disposition of the various research syntheses. Following that, it will be the responsibility of the Fayetteville group to rewrite those materials in whatever form is decided. At this time, there appear to be several alternatives.

The Network contains the following membership:

Dr. Donald E. Voth, Center Associate
Department of Agricultural Economics and
Rural Sociology
University of Arkansas

Mr. William S. Bonner, Center Associate
Chairman, Division of Community Affairs
University of Arkansas

Dr. James Dawson
Associate Dean for Extension
Alabama A&M University

Dr. David Houston
Department of Agricultural Economics
University of Arkansas at Pine Bluff

Dr. David C. Ruesink
Department of Agricultural Economics and
Rural Sociology
Texas A&M University

Ms. Janice Whitener
Department of Home Economics
Appalachian State University

THIRD QUARTER

At the final meeting of the Network, which was held during the quarter in Boise, Idaho, on August 2, 1976, several of the original objectives were specified further, as follows:

1. The bibliography will be prepared.
2. A short, approximately 12-page synthesis of citizen participation literature as it bears upon policy questions will be prepared.
3. A short, approximately 12-page synthesis of citizen participation literature as it bears upon applied techniques will be prepared.
4. A compilation of synthesis materials prepared by the various Network members will be readied for possible publication as a book of readings.

Accomplishments relative to the work of the Network during this quarter are:

1. The final meeting was held.
2. The bulk of the bibliography has now been typed. There are 2,235 items on 451 pages, approximately

10% of which are annotated or abstracted. Permission has been obtained to reprint some of the annotations and abstracts. Within the next four weeks the introduction, the analytic classification of articles, and an addenda section incorporating references obtained in the last few weeks will be completed. At that time the entire bibliography will be forwarded to the Center.

3. A draft is now prepared of the synthesis of citizen participation literature as it bears on policy questions.
4. A brief prospectus of all the synthesis materials prepared by the various Network members has been written.

As a new development in the work of the Network, arrangements have been made for several Network members to present the results of their research synthesis at a seminar for the Federal Extension Service, Community Resource Development Branch Program Unit, in Washington, DC, January 10, 1977. In connection with this, it has been proposed that the Network prepare a smaller selected bibliography. This idea has been incorporated in the prospectus for a book of readings.

Arkansas Network members have been called upon several times to share insights gained in this project with District USDA committees and with other interested groups in Arkansas.

FOURTH QUARTER

The project objectives are discussed in the original proposal and in the April 15, 1976, quarterly report. However, at the final meeting of the Network in Boise, Idaho, on August 2, 1976, several of these objectives were specified further, as follows:

1. The bibliography will be prepared.
2. A short, approximately 12-page synthesis of citizen participation literature, as it bears upon policy questions, will be prepared.
3. A short, approximately 12-page synthesis of citizen participation literature, as it bears upon applied techniques, will be prepared.
4. A compilation of synthesis materials prepared by the various Network members will be prepared for possible publication as a book of readings.

One additional objective has been adopted since the last quarterly report, partly as the result of feedback from the January 10 seminar in Washington, DC (see #1 below). This is:

5. A small selected bibliography that is completely annotated will be prepared.

Accomplishments made by the Network during this quarter include:

1. A seminar on the Citizen Participation project was held in Washington, DC, January 10, under the sponsorship of the Community Resource Development Branch of the Extension Service. Due to bad

weather, only Mr. Bonner was able to attend the seminar. However, Mr. Voth arrived in Washington late and participated in a short television program prepared by USDA for release throughout the United States, presenting the Citizen Participation project and its major findings.

2. The large bibliography is completed and has been forwarded to the Center. At the present time, printing is awaiting permission to reprint various abstracts and annotations in the bibliography.
3. The two 12-page syntheses are being revised after having been used in the Washington, DC, seminar and having been presented to Extension personnel in Arkansas.
4. The selected bibliography is approximately one-third completed. It will contain approximately 80 items and be approximately 25 to 30 pages long.

EVALUATING RESEARCH LITERATURE

FIRST QUARTER

This Network came into existence at midyear 1975. It was one of the first to be funded by the Center. Dr. Arthur G. Cosby, Associate Professor of the Department of Rural Sociology at Texas A&M University, was appointed as Center Associate.

An aggressive search for sources of information has been completed and the interim bibliography will be ready for limited distribution within the month. The document includes over 600 references. Preparation of the final annotated bibliography is under way. It will contain 500 of the most significant sources. Three papers have been prepared and circulated which discuss the philosophy and concept of evaluation, alternative modes of evaluation, and research responsibilities of the evaluator. Because of the volume of regional interest in the Network topic, the members have prepared a newsletter, quarterly distributed to about 800 persons per mailing. The newsletter has fostered ties between researchers and practitioners both at the state and national levels. Another manuscript will be prepared on "criterion setting" to parallel and complement the four manuscripts already prepared.

SECOND QUARTER

The contract for this Network, the first to be funded, has been extended through December 1976. The interim bibliography is currently being prepared for printing and has been distributed on a limited basis. The document has

approximately 600 references. The final annotated bibliography, which will report a restricted set of bibliographical references, is well under way.

At a more synthetic level, these papers have been prepared and circulated which discuss: (1) the philosophy and concept of evaluation, (2) alternative modes of evaluation, and (3) research responsibilities of the evaluator.

The Network is in the process of preparing a manuscript on "criterion setting" for rural development that will complement the other manuscripts. All of these manuscripts will ultimately be compiled into one brief statement on the "state of the art" of evaluation for rural development.

The Network has also prepared and circulated on a quarterly basis a project Newsletter. The response has been gratifying, with 800 mailings each quarter.

A mailing list of interested personnel in the topic of evaluation has been developed. This list will be a very important resource.

A spinoff of the work by the Network has resulted in the development of ties both at the state and national levels concerning evaluation of rural development. Therefore, the Network has been providing informal consultation using the information collected.

Members of the Network are:

Dr. Arthur Cosby, Center Associate
Associate Professor of Sociology
Department of Rural Sociology
Texas A&M University

Mr. Dean Barrett
Resource Development Specialist
Department of Agricultural Economics
Oklahoma State University

Ms. Joan Buttram
Evaluation Research Center
Charlottesville, VA

Dr. Lawrence Clinton
Department of Sociology and Anthropology
East Texas State University

Dr. Harold B. Crawford
Program Evaluator
Cooperative Extension Service
Prairie View A&M College

Dr. Freddie Richards
Dean of Agriculture
Prairie View A&M College

Dr. Andres Steinmetz
Evaluation Research Center
Charlottesville, VA

Mr. G. Richard Wetherill
Project Co-Leader
Texas Agricultural Extension Service
Department of Agricultural Economics
Texas A&M University

Dr. Gerald C. Wheelock
Associate Professor
Department of Agribusiness Education
Alabama A&M University

THIRD QUARTER

This Network's accomplishments have been recognized at the state, regional, and national levels. Consequently, consultation on all levels has taken place using the information developed by the Network.

One of the more prominent outlets during this quarter was an Evaluation Research Workshop at Clemson University, with particular service to South Carolina. The workshop

utilized information from the state's Title V pilot project as a practical exercise.

Plans also got under way to conduct a regional "Program Design and Evaluation Workshop." The 3-1/2-day workshop will provide individuals interested in rural development with an effective approach, giving knowledge and skills needed to design a program in rural development which includes an evaluation plan.

The response to the quarterly Newsletter was very favorable, with 800 persons receiving copies. The manuscript on "Criterion Setting" is nearing completion. All manuscripts prepared by the Network are now being compiled into one brief statement on the "state of the art."

The final draft of the annotated bibliography is being prepared. Printing and distribution of the bibliography are to take place immediately after the first of the year. . . The document will contain approximately 600 references helpful to rural development personnel interested in the synthesis of evaluative research literature.

FOURTH QUARTER

In summarizing the work of this Network, which has now completed its contract agreement, this fourth and final report will deal with the project objectives and accomplishments.

The objective of this Functional Network was to develop a focus in the Southern Region for the evaluation of rural

development programs. For this purpose, a network of social scientists from within the region was established. The emphasis for the overall objective was to amass and synthesize existing literature relating to the evaluation of rural development programs. Noting that there were many gaps in the existing literature regarding the place of evaluation within rural development, the Functional Network determined its task to be that of extracting the principles and procedures of evaluation which would have high utility for rural development planning and evaluation. Three types of synthesizing objectives were made explicit.

Objective A - A "state of the art" report dealing with the noneconomic evaluation of rural development in the Southern Region. This objective involved the establishment of a collection of evaluative reports, the annotation and classification of references, and subsequently, the preparation and publication of an annotated bibliography. The first published document springing from this objective was a "preliminary bibliography" published at Texas A&M University in the Summer of 1976. The final bibliography, in an annotated form, will be ready for distribution later this year from the Center as bibliography series #2.

Other contributions to this objective included: five professional papers developed by Network Members for presentation at meetings and two published articles. All of the above established the groundwork for the overall objective of synthesis.

Objective B - The preparation of an annotated bibliography of sources that focus on methods, measurement, and techniques that would be useful to the evaluator in the assessment of current evaluation of rural development and in the design and conduct of future evaluations. Special emphasis will be given to noneconomic evaluation concerns. In the beginning it was thought that this objective could best be dealt with by the publication of a separate document. However, it was felt that this information could best be used by consolidating it into the larger bibliography. Several of the papers developed by the Network also played a part in the accomplishment of this objective.

Objective C - The development of a research publication that focuses on the identification and measurement of critical noneconomic variables essential to the evaluation of rural development programs. The purpose of this document was to synthesize all that had been learned from the gathered literature into a manuscript detailing the elements critical to the evaluation of rural development programs. A preliminary version of this manuscript was well received at the 1977 annual meeting of the Southern Association of Agricultural Scientists. In final form, it will be available from the Center.

Accomplishments and activities not originally specified. In the course of working with the evaluation and rural development project, several beneficial spin-off activities were developed. Unforeseen at the inception of the project,

they soon played a very important role in the Network's viability.

The "Evaluation and Rural Development" Newsletter. Beginning as an administrative reporting requirement, the Functional Network changed the required bi-monthly progress report into a publication with wider audience appeal. Commencing with a fledgling mailing list of approximately 200 individuals, the six bi-monthly issues of "Evaluation and Rural Development" expanded its subscriptions to over 600 per issue covering 44 states, and several foreign countries. Specific focus for the newsletter was on short, useful articles for the program evaluator, sources of evaluation information, helpful hints to the evaluator, and evaluation-related editorials. Suffice it to say, the response was overwhelming.

"Program Design and Evaluation Workshop." The idea for an evaluation-related workshop began originally as a mechanism for an end-of-project Network meeting. However, as with the newsletter, this idea seemed too good to keep just within the Network membership. Thus, on March 8-11, 1977, a "Program Design and Evaluation Workshop" was offered to persons from the Southern Region interested in the evaluation of rural development. The workshop, which was held in Starkville, MS, attracted 30 participants from 11 of the 13 Southern Region states and included Puerto Rico. The director of the workshop was Dr. Andres Steinmetz

(a Network member), founder of New Measures, Inc., a firm specializing in program development and evaluation services. Assisting Dr. Steinmetz in the conduction of the workshop were the Network's two co-leaders, Arthur G. Cosby and G. Richard Wetherill.

Based on a successful pilot workshop held at Clemson University in October 1976, the workshop content consisted of instruction in four major areas: general orientation to evaluating rural development programs, program design, program evaluation, and practical application. The particular focus of the workshop was upon the methods and techniques of the Discrepancy Evaluation Model and their utility in evaluating rural development programs. An evaluation of the workshop indicated that the participants viewed it favorably.

Consultation on Rural Development Evaluation. Another spin-off has been the development of ties both at the state and national levels concerning evaluation of rural development. Network members have been providing informal consultation using the information collected. The chief concern has been the appropriate strategies that agencies, primarily Extension, could develop to evaluate their programs.

SMALL FARMS

FIRST QUARTER

Funded early in 1976, the Network on Small Farm Operations began with Dr. W. Arden Colette as Center Associate. Dr. Colette is Assistant Professor of Agricultural Economics at the University of Florida.

Network members have been selected to balance participation by Extension, Research, 1890 and 1862 institutions, and geographic location. A preliminary workshop was held in May for Network members. Screening of the literature related to innovation and adoption of technology has already begun to identify researchers who have made major contributions in this area. This screening has revealed that a great deal more research has been accomplished than originally believed.

SECOND QUARTER

The Small Farm Operations Functional Network held a program planning workshop at the University of Florida campus in Gainesville on May 17 and 18. The purpose of the workshop was to define the goals of the Network, delimit the scope of the investigation, define the target audience, and establish the procedures to be followed. The goals of the Network are to focus attention on the situation and problems faced by small farm operators in the southeastern United States and develop a procedural framework for mobilizing national, state, and local resources in attacking these problems. The first step toward achieving these

goals is to conduct a survey of the existing literature in an effort to identify and extract pertinent and relevant information which will be useful in approaching problems of small farm operators. In establishing the "state of the art" it should be determined what we know, who knows it, and what we have done with what we know. The second step will be the development and presentation of the relevant information in a form which will be useful in the development of Extension and Research programs dealing with small farm problems. Since it will not be possible for the Network members to reach large numbers of small farm operators directly, the target will be to develop a training program for state and local Extension personnel and members of other organizations which have an interest in and work with small farm operators. At the same time Network members will encourage interest and interaction among the other professionals in agricultural research and related fields in an effort to focus additional resources on seeking solutions to the small farmer's problems.

Participating as members of the Network are:

Dr. W. Arden Colette, Center Associate
Assistant Professor of Agricultural Economics
University of Florida

Dr. Vance Edmondson
Head of Department of Agricultural Economics
and Rural Sociology
Prairie View A&M College

Dr. Kenneth Pigg
Extension Sociologist
University of Kentucky

Dr. Melvin E. Walker, Jr.
Assistant Professor of Agricultural Economics
and Project Leader, Division of Agriculture,
Poverty Cycle Project
Fort Valley State College

Dr. Charles D. Whyte
Assistant Director and Professor of Economics
Bureau of Economic Research & Development
Virginia State College

Dr. Hardy Williamson, Jr.
Assistant Professor of Agricultural Economics
Center for Rural Development
Tuskegee Institute

THIRD QUARTER

During the quarter the Center Associate and his assistants concentrated their efforts on reviewing the literature in rural sociology and economics to identify significant contributions in the subject areas of attitudes, communication, and diffusion of innovation as they pertain to small farm operators. The preliminary annotated bibliography contains 106 annotated citations and 38 additional citations have been identified and are currently being reviewed and annotated.

Efforts are being made to expand the literature review to include the training and use of paraprofessional assistants in programs developed to address small farm problems. Information on agricultural technologies specifically adapted to small farm operations and technologies or enterprises which can be applied to small units is also being sought.

Dr. Arden Colette, the Center Associate, and Dr. Peter Korsching of the University of Florida (Network member)

have initiated the process of synthesizing the information in the literature into the form of a training workshop for Extension personnel and local workers. The workshop will emphasize the principles of communication, adoption of innovation, and alternative technologies and enterprise available to small farm operators.

FOURTH QUARTER

The Small Farm Functional Network was established by the Southern Rural Development Center in January 1976. The primary goal of the Network was to review the literature and synthesize the principles which would be most useful in developing and maintaining small farm programs.

The widening economic gap between the larger, more progressive, commercial farms and the smaller, limited-resource farms indicates that the Extension Service and other agencies have not been effective in contacting this portion of the farm population. Therefore, the Network members decided to concentrate on the principles of communication, adoption, innovation, and the characteristics and attitudes of the small farm population.

The work of the Network culminated in the Communication and Small Farm Programs Workshop held in Gainesville, Florida, on April 18-19, 1977. More than 100 county, area, and state personnel from 15 states participated in the two-day workshop. Many of the problems of communication that may be encountered in working with the small, limited-resource farm population in the south were outlined in the

workshop. The principles of communication and the procedures holding the greatest probability of success were also discussed. Dr. Everett M. Rogers, Professor in Communications at Stanford University, was the guest speaker and provided a great deal of insight into the communication and diffusion process.

The workshop did not furnish answers to all the problems that will be faced by individual county and area personnel working with small-farm operators. However, it did establish a basis for communication among workers in small farm programs which will be very beneficial to many states in creating and implementing their individual programs. At the end of the workshop several participants requested that another workshop be held dealing primarily with technologies applicable to small farms with limited resources and farmers with limited educations. This idea has considerable merit and the information so generated would be very helpful in many of our small farm programs. However, since the funding for the Small Farm Functional Network has expired, additional funding or additional sponsors would be necessary before a second workshop could be developed and carried out.

The Center Associate and Network members have compiled a bibliography of articles and publications dealing primarily with communication, diffusion, innovation, adoption of technology, attitudes and motivations of small farm operators, and small farm programs in the United States.

This bibliography will be available from the Center in the very near future. It should be very helpful to Extension and Research personnel in sorting through the literature and selecting the most pertinent articles and information dealing directly with their programs. The bibliography does not deal with international or small farm problems in other countries; however, many bibliographies cited in the Network's bibliography will direct researchers to the literature on foreign subjects and foreign countries.

The Center Associate has also written a synthesis of the pertinent information contained in the articles cited in the bibliography. This selective evaluation of the information in the literature and its applicability to approaching current problems will also be available through the Center.

INDUSTRIAL DEVELOPMENT

FIRST QUARTER

"Industrialization of Rural Areas" got off the ground in January 1976. Dr. Eldon D. Smith was made Center Associate. Dr. Smith is Professor of Agricultural Economics at the University of Kentucky.

The first quarter's report reveals that a bibliography of more than 800 items has been assembled in card index form with annotations for approximately half of the entries. Contact with Community Resource Development specialists and administrators throughout the country has been made. Network members have all been recruited and the first meeting held. In addition, data have been collected that will provide a more reliable basis for selection among types of industries in recruitment programs. General plans for an experimental Extension program in implementing effective self-study efforts by community leaders are also under way and have been approved by local leadership.

SECOND QUARTER

The Industrial Development Network personnel participated in a two-day meeting on May 17 and 18.

At this meeting the Network reviewed the draft bibliography, presented and discussed major ideas of the members of the Network with regard to the "state of the art" papers to be prepared as part of their responsibility, and discussed plans for utilization of these and related materials in experimental programs planned by the University of Kentucky Cooperative Extension Service.

A revised organization of the bibliography has been developed involving a dual classification system aimed at professional and lay user or action agency audiences. The first 200 items listed alphabetically by author have been retyped and classified using the proposed system and sent to Network members for comments with regard to the utility of the system to user audiences. Mr. John Van Veen, research assistant, was dispatched to Washington, DC, to obtain additional references, especially publications of government agencies, with assistance of Mr. John Fernstrom, member of the Network and Federal Cooperative Extension Service Specialist.

As a result of literature searches, two short lay audience-oriented papers have been prepared and included in a set of Extension materials to be used in the experimental program. These are:

> Smith, Eldon D., "Estimating How Industrial Expansion Will Affect Incomes and Employment in Your Community--Some Guidelines," pages 16-25, in Study Committee Handbook on Private and Public Economic Impact, Department of Agricultural Economics, University of Kentucky (undated).
>
> Smith, Eldon D., "Costs and Benefits of Industrialization to School Districts and Local Government," pages 53-58, in Study Committee Handbook on Private and Public Economic Impact, Department of Agricultural Economics, University of Kentucky (undated).

These will be revised and made available for general Extension uses.

Initiation of the community self-study program in Shelby County for which materials have been prepared has

been deferred until September. This delay is as a result of difficulties of scheduling meetings during the vacation period and time required to work out collaborative relationships with membership of the local development foundation.

Network membership is comprised of the following:

Dr. Eldon D. Smith, Center Associate
Professor of Agricultural Economics
University of Kentucky

Dr. Taylor Byrd
Department of Agribusiness
Alabama A&M University

Dr. Lon Cesal
Economic Development Division
Economic Research Service
U. S. Department of Agriculture

Dr. Brady Deaton
Department of Agricultural Economics
University of Tennessee

Mr. J. R. Fernstrom
Federal Extension Service
U. S. Department of Agriculture

Dr. Craig Infanger
Extension CRD Specialist
Department of Agricultural Economics
University of Kentucky

Dr. James Mallett
Extension Economist
Texas A&M University

Mr. Ronald Morgan
Economic Research Director
Kentucky Department of Commerce

Dr. James Nelson
Department of Agricultural Economics
Oklahoma State University

Dr. Kenneth E. Pigg
Department of Rural Sociology
University of Kentucky

Mr. Terrell Slayton
Area CRD Specialist
Cooperative Extension Service
Kentucky State University

Mr. Rex Wesley
Area Community Resource Development Specialist
University of Kentucky

THIRD QUARTER

The three major accomplishments during this quarter are:

1. The draft annotated bibliography was further developed and refined. Several low-priority items were culled from the draft examined by the Network, and additions made which were researched on a trip to Washington, DC, by Dr. Eldon Smith, Center Associate, and Network member, John R. Fernstrom. The entire volume, involving more than 750 entries, was given a rough editing, reorganized in conformity with the system of indexing previously developed and evaluated through correspondence by the Network, and retyped in preparation for final editing.

2. One volume of a seven-volume set of self-study materials prepared for use of lay people as an aid to "Citizen-Initiated Industrial Development" was revised to make it more generally applicable to community agencies. It has been published as Staff Paper No. 34, Estimating How Industrial Expansion Will Affect Incomes and Employment in Rural Communities--Some Guidelines and Procedures, August 1976. Craig Infanger and Eldon Smith are co-authors.

Depending upon later evaluation by the Network and further refinements by the authors, this paper may be made available for general distribution. Consideration is being given to utilization of results of a regression analysis of base multipliers by Curtis Braschler, University of Missouri, instead of the multiplier estimates supplied by Gadsby and utilized in Fernstrom's Bringing in the Sheaves.

3. It was agreed between the county and municipal political leadership and the local development organization of a sample Kentucky county to conduct a comprehensive citizen evaluation of industrial development potentials, probable impacts, and available means as a pilot project. All necessary materials were developed for this effort. However, resistance to the project developed from an unexpected quarter, and the experimental evaluation of the planned program had to be abandoned, despite the fact that assistance has been solicited initially by this leadership. Hence, this evaluation is now being held in abeyance pending possible interest by other communities. This change has necessitated a redirection of efforts toward the conventional research syntheses and occasioned a significant delay. Work is proceeding as rapidly as possible and the contract obligations will be discharged in due course.

FOURTH QUARTER

The submission for publication of the 750-item partially annotated bibliography in final edited form has been the primary accomplishment. However, work is proceeding on the

preparation of a synthesis of research on industrial impact, and further investigations of the approaches that have been employed in previous studies has been indicative of fairly important inconsistencies between the methods employed in many studies and the basic problems confronted by user clientele. Implicit in the methods employed in several cases are unstated differences between long-run and short-run impact determinations. Failure in many of the studies to take into account commuting and in-mover absorption of locally created employment is a serious problem, especially in cross-sectional regression studies. In the latter case, this leads to serious overstatement of benefits to local resident populations which must absorb the costs involved in local community industrial development efforts. Despite some inputs of technical assistance and various types of loans to support industrial development and related supportive actions, primary responsibility for, and costs of such efforts are borne by single municipalities or county units.

An important gap in information is related to externalized costs and benefits from industrial work experience, changes in political power balances, and social organizational impacts. All of these have important significance for future economic development.

The Center Associate acted as a technical consultant to the North Central Research Strategy Committee at their meeting on March 30. This committee is considering research on employment and industrialization in rural areas.

HEALTH CARE

FIRST QUARTER

An agreement was made on February 1, 1976, to begin a Network related to "Health Care and Rural Development." Dr. R. David Mustian became the Center Associate. Dr. Mustian is Associate Professor in the Department of Sociology and Anthropology at North Carolina State University.

The first job of the Network was to review major project reports in health care. From this study, it was determined that an eclectic, rather than just an economic, perspective would produce the most meaningful results. Also, a search for literature from relevant studies got under way. Eight hundred published works have been identified to date. Two students have been engaged to work on the project with recruitment of members of the Network continuing. Key findings thus far indicate that systems initiated by responsible and financially solvent community groups are enjoying the greatest success. Recruitment of physicians rests on: (1) desire for partnership or group practice, (2) spouse satisfaction, and (3) return to home community. Recruitment of other health personnel depends on whether the individual feels that he/she can put training to use. The defining of "health" needs to have uniformity; yet the findings revealed a positive attitude among the general public toward middle-level health professionals and health maintenance organizations and systems.

Primary emphasis of the Health Care Network has been directed toward computerized bibliographic searches utilizing ERIC, NTIS, and MEDLINE data banks. Numerous references have been identified, but few are pertinent or relevant to the scope of this project. The majority of identified references represent philosophies, value-positions, and plans for health care delivery systems. There appears to be a paucity of empirical studies of health care in the rural south.

Bibliographic work continues with approximately 400 references prepared for review by the Functional Network. Computerized searches utilizing other data banks will continue.

The majority of identified literature references pertain to the location of facilities and recruitment of personnel. There appears to be few studies in the last decade dealing with sociopsychological variables. The Network hopes that this limitation will be overcome when searches of sociological and psychological abstracts are completed.

At the present time, the Network consists of ten persons representing four states and Washington, DC, the Extension Service, universities, hospitals and medical schools, and the federal government. These are:

Dr. R. David Mustian, Center Associate
Department of Sociology and Anthropology
North Carolina State University

Dr. Stephen Nye Barton
Director of Clearing-House on Rural Health
Care Research
College of Community Health Service
University of Alabama

Dr. Thomas E. Clark
Associate Director
The Marital Health Clinic
Department of Medical Sociological Science
and Marital Health
Bowman Gray School of Medicine
Wake Forest University

Dr. Runyan Deere
State Leader
Health Educational and Environmental Programs
University of Arkansas

Ms. Jeannette Fitzwilliams
Economic Research Service
U. S. Department of Agriculture

Dr. Vance E. Hamilton
Community Development Office
Department of Sociology and Anthropology
North Carolina State University

Dr. W. E. Hardy, Jr.
Department of Agricultural Economics
and Rural Sociology
Auburn University

Mr. Walter J. Oldham
Executive Director
Tuskegee Area Health Education Center
Veterans Administration Hispital

Dr. Joseph Richardson
Agricultural Extension Service
North Carolina A&T University

Dr. Donald A. Sweeney
Department of Architecture
Texas A&M University

THIRD QUARTER

Ironically, the health status of the Center Associate has delayed goals of the Network for the past quarter. Basic activity has continued to be searching for relevant bibliographic materials concerning the delivery of health care services in the south. Computerized searches completed thus far include data files of ERIC, MEDLINE, NTIS,

and SSIE. Manual searches of Sociological and Psychological Abstracts are in progress.

Major activity has involved reading, evaluating, and compiling relevant references by the Center Associate and student assistants. Hopefully, more involvement of the Network in abstracting and developing will be realized in the next quarter.

The Network has an additional member, Dr. Brady J. Deaton of the Department of Agricultural Economics and Rural Sociology, University of Tennessee.

Other potentially fruitful contacts have been initiated in order to assess work not yet published. The first is with professionals and educators who have presented papers at meetings; the second is with investigators identified as having current SSIE projects.

Of interest is the number of similar bibliographic projects that are being undertaken around the country. Exchange of references should enhance the product, but it increases the work load.

Of substantive interest is the recurring emphasis that additional manpower and facilities do not always lead to better rural health care. Also, the need for reorganization of delivery systems and the call for innovative programs seem to be clear from the abstracted sources.

FOURTH QUARTER

Major activity during this period involved developing a special panel for the annual meeting of the Southern Association of Agricultural Scientists in Atlanta, Georgia. The panel was focused on "Delivery of Rural Health Care Services." Functional Network members' presentations were:

1. Rural Health Movement in the South. Stephen N. Barton, Director, Clearinghouse on Rural Health Care Research, University of Alabama.

2. Health Consumer Awareness. Donald A. Sweeney, Texas A&M University.

3. Rural Health Care: The Economist's Perspective. Irv Dubov, University of Tennessee.

4. Rural Health Care: The Area Education Perspective. Walter J. Oldham, Executive Director, Tuskegee Area Health Center, Inc.

5. Rural Health Care: The Extension Perspective. Vance Hamilton, North Carolina State University.

A second major activity was the Center Associate's participation in a Symposium on Human Survival at North Carolina State University. A presentation entitled "The Delivery of Health Services and Human Survival" was based on the bibliographic work of this project. The paper was an attempt to identify major findings from the literature and major problem areas which need attention.

Another major activity involved the Center Associate's participation in the CSRS review of North Carolina State University Experiment Station research activity in the

Department of Sociology and Anthropology. A progress report for the project was given and major literature conclusions were presented.

Bibliographic searches are completed and annotation and ordering of sources are in progress. A number of project directors are being contacted to see if materials and reports are complete for on-going projects. The presentations described on the preceding page will become the basic framework for the synthesis paper.

EDUCATIONAL NEEDS PROJECTION

FIRST QUARTER

The Functional Network on Educational Needs and Rural Development began February 9, 1976. Dr. Gerald C. Wheelock, Associate Professor of Agribusiness Education at Alabama Agricultural and Mechanical University, was appointed as Center Associate.

A library media specialist has been employed on a half-time basis. A research associate in Agribusiness Education is also assisting with Network activities. The Network composition has been finalized at 10 members, with the first meeting having been held in May. The first issue of a quarterly newsletter, with a circulation of 600, was published in April. Retrievals have been specified and ordered from ERIC files at Auburn, Dissertation Abstracts Internal, CRIS, SSIE, and the Congressional Research Service. To date, results have been relatively unproductive. Further work will require an extensive hand search approach.

SECOND QUARTER

New staff members were added during this quarter. These include Mrs. Pushpa Sapra, library media specialist, who is employed on a full-time basis; and William Kyle, research associate, and Juanita Hill, secretary, both employed by the Department of Agribusiness, who are providing one-fourth to one-half time support to the project.

The first ENPRD Network was held in Huntsville, Alabama, May 6 and 7. Work on publications and plans for one and possibly two workshops or panels was accomplished. Network members participating in the meeting were John Dunkelberger, Auburn University; David Houston, University of Arkansas at Pine Bluff; James Wall, Mississippi State University; Edward Moe, CSRS/USDA; and Pil Cho, North Carolina A&T University. Consultants participating included John Zippert of the Federation of Southern Cooperatives; Collin Harris of the Minority Peoples Council on the Tennessee-Tombigbee Waterway Project; John Harris, Director of Continuing Education at Alabama A&M University; and Taylor Byrd, Chairman, Department of Agribusiness Education, Alabama A&M University. Winfred Thomas, Dean, School of Agriculture, Alabama A&M University, and a member of the SRDC Board of Directors, opened the meeting.

Additional progress in this quarter has lead to nearly 300 dissertation titles and 100 other titles being selected for inclusion in the bibliography. The present schedule is to have the annotations complete by August 31, 1976. Concurrently, the Network has attempted a content analysis by state (17 southeastern states) of dissertation titles. The scalogram analysis employed will be valuable in synthesizing the literature and assessing the "state of the art." Preliminary results are reported in the July ENPRD Newsletter. Feedback from the readership (700 on mailing list) will enhance interpretation.

In addition to the dissertation titles and annotations, the bibliography will contain sections on: (1) macro-level, multidistrict, or statewide need projection techniques and their professional application; e.g., demographic projections, discrepancy analysis, or financial needs assessment; (2) conceptual papers on community change process models applied to rural education; (3) applications of community change process models in rural education planning and programming; and (4) handbooks developed for community initiated school improvement efforts.

Response to the Network newsletter has resulted in identification of several current projects in the region. In this respect, the newsletter has already been more productive than the SSIE search of current research projects. These projects will be publicized in future newsletters. Also, documents that the projects supply the Network will be included in the bibliography, and it is anticipated that some of the project personnel will participate in workshop/panels being planned by the Network.

Specifically, the kind of program initially planned will include presentations by: (1) an organization with national visibility (such as the Rural Futures Development Strategies group of the Northwest Regional Education Laboratory); (2) regional community organizations which have had identifiable successes in educational reform and community involvement; (3) industry representatives with a commitment to vocational education (such as American Can in

southwest Alabama); and finally (4) inputs and responses to these models by those faced with the local task of educational improvement in rural southwest Alabama, e.g., local Vocational Education Advisory Council members, school-board members, and/or concerned and thoughtful parents.

Tentatively, the program is being planned for November. Discussion is in progress with appropriate organizations holding meetings at that time.

Network members are:

Dr. Gerald C. Wheelock, Center Associate
Department of Agribusiness Education
Alabama A&M University

Dr. Richard Baker
Occupational Research and Development
Auburn University

Dr. Tex Boggs
Department of Sociology
Kentucky State University

Mr. Pil Cho
Department of Sociology
North Carolina A&T University

Dr. John Dunkelburger
Department of Agricultural Economics
and Rural Sociology
Auburn University

Dr. Bernal Green
Department of Agricultural Economics
and Rural Sociology
University of Arkansas

Dr. David Houston
Department of Agricultural Economics
University of Arkansas at Pine Bluff

Dr. Everett Lee
Institute for Behavioral Research
University of Georgia

Dr. Edward Moe
Social Science Division
Cooperative State Research Service
U. S. Department of Agriculture

Dr. James E. Wall
Associate Dean (R&D)
Mississippi State University

THIRD QUARTER

The routine work of preparing camera-ready copy for the Network bibliography and accompanying author and subject indices has consumed most available staff time. The bibliography concentrates on searches of Dissertation Abstracts International (DAI) and Educational Resources Information Center (ERIC). The DAI bibliography is complete; the ERIC bibliography awaits incorporation of a final search of ERIC's Education Administration Clearinghouse Files.

In addition to these materials, the synthesis will incorporate recent evaluation of current social forecasting methodology as well as other technical reports. The President's Commission on School Finance provided the most comprehensive analysis and projections available. Interpretation of these projections from the perspective of southern nonmetropolitan school districts will be a central theme of the synthesis.

The Center Associate met with the planning committee of the Alabama-Mississippi Sociological Association about the possibility of organizing a Network-related session at their meeting. However, the theme and time frame did

not lend itself to Network objectives.

Plans for a workshop in November have been dropped. Efforts are being concentrated on organizing a workshop and planning session at the Annual Meeting of the Rural Sociology Section, Southern Association of Agricultural Scientists in Atlanta, February 6-9, 1977. The Program Chairman has concurred with the tentative program being organized by the Network.

Finally, the third quarterly Network newsletter is in preparation and will go out this month.

FOURTH QUARTER

An extension of the termination date of the ENPRD project from February 9, 1977, to June 30, 1977, has been requested and granted by the Center.

Two trips of significance have been made by project personnel (Kyle and Wheelock). The first was to meet with Alabama Center for Higher Education, a consortium of eight predominantly black colleges, to discuss possible collaboration on human resource development proposals including management of underutilized farm land.

Second, a similar regional conference concerning black land ownership and management was attended at Tennessee State University, Nashville. This conference included representation on the program by the USDA; Emergency Land Fund, Atlanta; Duke University Policy Institute; President of the National Association of Black Mayors and the Minority

Peoples Council on the Tennessee-Tombigbee Waterway project. Creating a wider awareness of the adult education problems associated with improving management of underutilized farm land throughout this region was a major objective of the conference. This objective was well met by those present.

Changes have been made in the Network staff at Alabama A&M University. Mrs. Pushpa Sapra, library media specialist, has been shifted from the SRDC/CSRS account as of January 31. Miss Vera Spencer's appointment, 15% time as secretary, has been terminated as of March 31. While support is derived from other sources, secretarial and library media support is still available to the project.

The major activity of the Network was the organization and presentation of two sessions in the Rural Sociology Section of the Southern Association of Agricultural Scientists in Atlanta, February 7-8. Four papers were presented and are presently available from the respective authors: Everett Lee, University of Georgia, "Social Forecasting for the Sun Belt"; Gerald Wheelock, Alabama A&M University, "Forecasting Education Needs for Southern Rural Development"; George Ohlendorf, Louisiana State University, "Southern Rural Youth Aspirations and Research as Social Forecasting"; and David Houston, University of Arkansas at Pine Bluff; "Occupational Matrix Forecasting for Southern Manpower." In addition to the authors, the papers will be available in Rural Sociology in the South - 1977, from Mr. Harsha N. Mookherjee,

Program Chairperson, Rural Sociology Section, SAAS. Some of the papers have already been acquired by the ERIC Clearinghouse on Rural Education and Small Schools for microfiche reproduction and distribution.

The second session "Rural Vocational Education Needs Projection Through Citizens Participation" was opened with an interpretation of the Education Amendments of 1976 as they pertain to citizen participation in vocational education planning. Dr. Eugene Bottoms, President of the American Vocational Association, made the presentation. Next were three case studies of citizens participation in education planning in low income rural communities ranging from one which has minimal financial resources to one which has developed substantial federal, state, and local financial resources.

The first case, "The Minority Peoples Council on the Tennessee-Tombigbee Waterway: A Citizens Response to Rural Development and Industrialization" was presented by John Zippert, Director of the Tennessee-Tombigbee Research Team for the Federation of Southern Cooperatives, Epes, Alabama.

Lamar Braxton, Director of the Adams-Jefferson Improvement Corporation, Natchez, Mississippi, discussed key factors behind their thriving example of adult and headstart education programs under the title "Citizens Participation in Education Planning." Finally, Ray Jongeward of the Northwest Regional Education Laboratory, Portland, Oregon, discussed the highly

effective and well-funded "Rural Futures Development Strategies."

Discussion of the presentations was very effectively initiated by Dr. William Berryman, Alabama State Department of Education, and Dr. Ed Moe, USDA/CSRS. All presentations were highly informative and thought provoking as evidenced by a high level of audience participation in the extended discussion.

Network activity is now focusing on the possibility of developing a concerted community education and rural development planning effort which provides for citizen participation in the Tennessee-Tombigbee Waterway Area. In this effort, the Center Associate is collaborating with colleagues from Alabama A&M University, the Alabama Center for Higher Education (a consortium of eight historically black universities) and the Federation of Southern Cooperatives/ Minority Peoples' Council Research Team on the Tennessee-Tombigbee Waterway. A proposal has been developed to do the initial research needed to devise and document support for MPC inputs into the state and local planning process for vocational education. Much of the work formalizing the current draft of the proposed project was done at the SRDC Program Design and Evaluation Workshop at Mississippi State University, March 8-11.

Second, discussion of a two-state network involving citizen groups from the TTW area, the state land grant universities, and other universities and education agencies

involved in community planning efforts in selected direct impact TTW counties of Mississippi and Alabama is evolving from Network activities.

Finally, the central objectives of the Network, the bibliography and synthesis of Education Needs Projection and Rural Development fugitive literature is in progress. A part of the synthesis will be based on the paper presented by the Center Associate at the SAAS meeting. Work on indexing of the three sections of the bibliography is progressing. One section of the bibliography, Community Involvement and Educational Planning, based on a search of ERIC/RIE files has been circulated to Network members and to the SRDC editor. Revisions are now being completed. A second section "Applications of Projection Techniques" based on a search of Dissertation Abstracts International Files is now being circulated. A third section constitutes all dissertation titles dealing with schools in 17 southern states. This file of titles is content-analyzed to provide an overview of the type and level of analysis under way in the region.

The author index of this section will provide an inventory of scholars who since 1965 have demonstrated expertise in researching needs of public schools in the states of the region.

IMPACT OF GOVERNMENTAL TRANSFER PAYMENTS ON HUMAN RESOURCE DEVELOPMENT

FIRST QUARTER

A new Network began on April 1, 1976, which will relate to Governmental Transfer Payments and Their Impact on Human Resource Development. Dr. E. Evan Brown serves as Center Associate. He is Professor in the Department of Agricultural Economics at the University of Georgia.

This type of inventory and synopsis of research has never been attempted before. Calculating the benefits and problems of these assistance programs should provide valuable information to government agencies and other organizations.

SECOND QUARTER

During this quarter, the first for this Network to operate, four goals have been accomplished.

In April, Dr. E. Evan Brown, Center Associate, and two research associates visited congressional leaders and government officials to outline national research priorities. A preliminary list of programs to be studied was prepared and includes Food Stamps, Medicare-Hospital Insurance, Unemployment Insurance, Supplemental Security Income, Aid to Families with Dependent Children, National Health Service Corps, and Health Education Loan programs.

The Office of Rural Development, HEW, will provide financial data by county of selected programs in the Southern Region.

Computer-assisted literature searches are near completion, with over 100 citations already obtained. A manual literature search was expected to be completed August 1. Total citations to be reviewed should approach 1,000.

The first meeting of the Functional Network will be held in Atlanta in early August. At this meeting a final list of programs to be studied, Human Resource Departments to be visited, scope of bibliography, research topics, communication methods (e.g., newsletter, etc.) will be decided.

The Network membership is made up of:

Dr. E. Evan Brown, Center Associate
Department of Agricultural Economics
University of Georgia

Dr. A. F. Bordeaux
Associate Professor of Agribusiness Economics
Department of Agricultural Economics
University of Kentucky

Mrs. Gladys K. Bowles
Economic Development Division
Economic Research Service
U. S. Department of Agriculture

Dr. V. A. Boyd
Associate Professor of Rural Sociology
Clemson University

Mr. William Hosking
Research Technician
Department of Agricultural Economics
University of Georgia

Dr. G. C. McCann
Professor, Department of Sociology
and Anthropology
North Carolina State University

Dr. R. Warren McCord
State Leader-CRD
Department of Social Science
Cooperative Extension Service
Auburn University

Dr. Dean Schreiner
Associate Professor of Agricultural Economics
Oklahoma State University

Dr. G. A. Sewell
Professor of Sociology
Alcorn State University

Dr. George F. Smith
Assistant Professor of Resource Development
University of Tennessee

Ms. Nancy M. Vrecheck
Economic Analyst, Title V-RDA, GA
Department of Agricultural Economics
University of Georgia

Dr. Melvin Walker
Assistant Professor, Agricultural Economics,
and Project Leader, Division of Agriculture,
Poverty Cycle Project
Fort Valley State College

THIRD QUARTER

On August 23, the first meeting of the Network was held in Atlanta. Several important decisions were made about the project.

1. Criteria were set for the development and classification of the final bibliography. Programs that will be researched in greater detail are those universal in clientele, are in some manner available to rural areas, and have some direct impact upon individuals as opposed to a group or community. The bibliography will have three major sections:

a. Major research or politically significant programs; citations will be annotated.

b. Programs of secondary importance which may provide valuable spillover information; unannotated.

c. A list of major sources, research centers, and resource personnel.

2. Several short papers on each of the programs in section 1 of the bibliography will be written. They will be, for the most part, synopses of research and will attempt to identify the direction and significance to the project title.

3. It was felt that visits to any Human Resource Departments would be unproductive and an unnecessary drain on limited resources.

4. Design, content, and distribution of a Network newsletter were discussed.

The quarter brought forth progress on several points. It was during this quarter that the first bi-monthly newsletter was mailed to more than 300 persons. Since then, the Network has had excellent response and numerous requests for new subscriptions. It was very encouraging to the Network to find a number of people interested in transfer payment programs.

Computer literature searches have been updated and completed. They were revised to conform to the criteria set by

the Network. As in the first search made by the Network, nearly 1,000 citations were retrieved.

In August, the preliminary bibliography was made available for interested persons. Although the classification used was different from the form for the final bibliography, the Network has received many requests for copies. The preliminary bibliography contains approximately 300 citations, most of which are annotated.

Data which the Network was to receive from the Rural Development Center of HEW on budgetary items of HEW transfer payment programs has not yet been sent from Washington.

Manuscripts on several major transfer payment programs are being prepared as outlined by the Network in their plan of work.

FOURTH QUARTER

This report is to cover the activities of the fourth quarter which includes the months October, November, and December 1976. The fourth quarter progress is best characterized by classification, analysis, and collection. As in the plan of work, this quarter was allocated to classification of research results, acquisition of manuscripts, analysis of the results, and preparation of preliminary reports.

Albeit, the quarter did not produce any finished products, most of the work necessary to prepare the bibliography is now complete. Throughout the quarter we have been receiving manuscripts of citations which were retrieved from the computer surveys.

Material on federal budget outlays to transfer payment programs was also collected. This material shows the breakdown of budget outlays over the past several years. Noted is that social program costs and number are increasing at a greater rate than any other area. This points to an increasing dependence upon the federal government to provide and sustain transfer payment programs. Over the ten-year period from 1966 to 1976, individual income taxes as a part of the federal budget receipts decreased from about 44 percent in 1966 to about 36 percent in 1976. During the same time, expenditures for manpower and social services increased 4-1/2 times, health outlays increased nine-fold, and income security outlays increased over 4 times. These three groups together increased from about $32.5 billion in 1966 to about $153 billion in 1976.

Federal expenditures have increased over three times since 1962. Between 1974 and 1980, the federal budget is expected to increase another 50 percent to almost $480 billion. Over half of the projected 1980 budget will go to payments for individuals. This trend demands maximum attention to the need for, design, implementation, and impacts of transfer payment programs.

Some research has also been done on the history of transfer payments. One account is given in 16th Century Germany, where in Leising, begging was made illegal. The community maintained a fund to provide relief to the old, sick, and poor people who had labored hard in agriculture,

but were no longer able to sustain themselves. In 1534, the churches and community leaders of Lyons, France, established a welfare system and prohibited begging to quell the increasing number of starving peasants who had literally started riots and raids on that city. Many such other systems were established all across Europe, but the programs for the most part were short-lived. It was not until the Great Depression of the 1930's that relief programs in the United States became a permanent fixture of our economic and social system.

During the final months of this project, required publications and papers will be completed. The Functional Network will meet again in May to plan the method of dissemination of material as required by the contract.

SOLID WASTE DISPOSAL AND FINANCING

FIRST QUARTER

On April 1, 1976, a new Functional Network began. Dr. Michael S. Salkin of Oklahoma State University serves as Center Associate to the "Community Services: Solid Waste Disposal and Financing" Network. Dr. Salkin is Assistant Professor of Agricultural Economics at the University.

The research effort will be implemented through five components. These are: Network formation and workshop, literature review, synthesis and idea generation, workshop, and finally publication of a bibliography.

SECOND QUARTER

On April 28, 1976, the Solid Waste Disposal and Financing Network met in Oklahoma City to organize the functioning of their Network. The first task, to be completed by October, was to compile and annotate relevant materials in the solid waste and waste system finance subject area. At the present time the Network has collected over 300 references and annotated approximately one-third of them. Members have utilized NTIS, COMPENDEX, EPA, CRIS, and SWIRS computer searches. Also, they have utilized library search, which appears to be the most promising.

Besides compiling references in bibliographic form, Research and Extension projects in the South and a few select projects outside the South are being categorized. Results of on-going projects will be presented either in a separate publication, as part of the Networks's bibliography,

or as an appendix to their publication for "professionals."

The Network plans to meet on August 16, 1976, in Pennsylvania to discuss format details prior to completion of the bibliography in September. A second workshop is planned for October 1976, at which time they will decide upon the content and format of their publications.

Network membership consists of:

Dr. Michael S. Salkin, Center Associate
Agricultural Economics
Oklahoma State University

Mr. Dean Barrett
Department of Agricultural Economics
Oklahoma State University

Dr. D. H. Carley
Agricultural Economics
University of Georgia

Dr. Kenneth Clayton
Department of Agricultural Economics
University of Florida

Dr. W. E. Hardy, Jr.
Agricultural Economics and Rural Sociology
Auburn University

Dr. Joseph Havlicek
Agricultural Economics
VPI & State University

Dr. Lonnie Jones
Agricultural Economics
Texas A&M University

Mr. Jim Smith
Cooperative Extension Service
Langston University

Dr. Harry B. Strawn
Resource Development Economist
Auburn University

THIRD QUARTER

On August 16, 1976, the Network met in Pennsylvania and decided on the format of the bibliography. The bibliography is nearly complete and should be ready for printing and distribution by early 1977.

Other decisions made by the Network members following the Pennsylvania meeting related to the content of the three publications to be written and the nature of the final workshop.

It was agreed the first paper (general information) would be aimed at a lay audience. The focus will be on solid waste management and probable future problems and solutions. A discussion of the collection, storage, and disposal components of waste systems will be explained and the changes (cost, technological) likely to come about.

The Network's second publication (educational-Extension) will be aimed more toward people in a position to work with rural communities. Knowledge of economics and solid waste problems will be assumed. In this paper the theme will be planning for the maintenance of successful waste management systems in the future. The paper will contain projections for future costs of system operation, landfill site needs, future waste generation, and the possibilities for resource recovery. A possible outline for the paper will be: (1) current operations on-going in southern states; (2) emerging problems in growing areas, finance, and technological change; and (3) suggested methods for insuring the future operation of on-going systems.

Several ideas were presented regarding the final paper (appropriate research publication). One possibility is to write a collection of papers to be used as opening addresses at the workshop. A second idea is to write one paper outlining problem areas, unanswered questions, and possible solutions. One goal of this paper is to conclude with research proposal(s) designed to focus on problem areas.

In February of 1977, the Network plans to meet again to discuss the progress of the publications and begin organizing the workshop. The current thinking is to hold a 1 or 1-1/2 day meeting sometime in September or October of 1977. The program tentatively will be devoted to solid waste practices in the South and future practices which may be necessary to insure that waste systems change with the times. The Network hopes to invite speakers from state planning and health care agencies, area Extension specialists, and Research professionals who claim to have solutions to future problems.

FOURTH QUARTER

Phase I of the Network's activity has been completed. The bibliography containing approximately 300 references has been submitted to the SRDC for publication.

The first publication is currently in draft form. Two of the members are reviewing the manuscript and preparing it for submission. The second publication is in outline form and will be written shortly.

In February, the Network met at the southern meetings in Atlanta to discuss the papers, and dissemination of the

work. It was decided, and later agreed on by the SRDC staff, that dissemination would take an alternate form. Rather than present one formal workshop the Network's output would be disseminated via mail-out packets to selected individuals and agencies, and presentations would be made at regional and state meetings.

Some dissemination has already occurred. Two Network members presented a review of solid waste concepts and problems at the Non-Metropolitan Community Services workshop in Ohio in January of 1977. Additional dissemination will occur at a statewide area agents' training session in March at Oklahoma State University. A state of the art presentation is planned for the AAEA-WAEA meetings in San Diego this summer.

The Network plans to meet again this summer to discuss the status of all publications and evaluate the degree and success of dissemination that has occurred. If additional dissemination is needed, the Network will decide how, where, and when to best accomplish the activity. All work is expected to be complete by September of 1977.

HOUSING RESEARCH

FIRST QUARTER

A Network titled "Inventory and Review of Selected Recent Housing Research" was funded May 24, 1976, with Dr. Savannah S. Day as the Center Associate. Dr. Day is with the School of Home Economics at Florida State University at Tallahassee, Florida.

The work of this Network was begun during the past year as a research project. Funding for a Functional Network comes at this date to assist in completing a project that would be applicable to the whole of the Southern Region. As a Network, it will function for only a 5-month period. Its primary objective is to develop a model to inventory, review, and synthesize housing research relating to rural development.

SECOND QUARTER

Need for a task force has been identified by the Housing Network and two of the members have agreed to serve in this capacity: Dr. Alice Stubbs, Head of the Department of Home Economics, Texas A&M University; and Dr. Betty Campbell, Assistant Professor of Home Economics, University of Georgia. A meeting of this task force has been set up in conjunction with the S-95 regional research meeting in November. At this time they will review the research reports compiled and model used.

Information searches have been completed from ERIC files at Florida State University, CRIS, and SSIE. The

research assistant and student assistants are in the process of inventorizing and reviewing the research for its applicability to the selected areas identified for the study: (1) design of low-income housing; (2) financing; (3) remodeling and/or rehabilitation; and (4) rural housing needs.

The Network is made up of:

Dr. Savannah S. Day, Center Associate
School of Home Economics
Florida State University

Mrs. Louise J. Hyers, Co-Associate
District Agent - Home Economics
Rural Development Center
Tifton, GA

Dr. Betty Jane Campbell
School of Home Economics
University of Georgia

Dr. Alice Stubbs
Consumer Research Center
Texas A&M University

THIRD QUARTER

The Network will participate in a meeting in November which is to be held in conjunction with the S-95 Housing Research Technical Committee meeting in Greenville, South Carolina. The purposes of the meeting will be to delimit the scope of the investigation, define the target audience for the annotated bibliography, review model abstracts, discuss plans for dissemination of the information, and establish procedures to be followed. Those that will be participating in the meeting are:

Alice Stubbs, Texas A&M University
James Montgomery, University of Georgia
Kay Stewart, Oklahoma State University

John Culp, Tennessee Valley Authority
Don Stewart, Economic Research Service, USDA
Betty Campbell, University of Georgia
Savannah Day, Center Associate, Florida State University
Louise Hyers, Center Co-Associate, Georgia Cooperative Extension
Betty Stevens, Research Assistant, Florida State University

Computer-assisted literature searches are nearing completion with approximately 2,600 citations already obtained. Of these, over 200 are considered applicable to the selected areas of housing research identified for this study: (1) design of low-income housing; (2) home financing; (3) remodeling and/or rehabilitation; and (4) rural housing needs.

Approximately 250 requests for reports or summaries of completed research were sent to housing researchers including colleges and universities, federal agencies, and housing associations such as American Home Economics Association, American Institute of Architects, Housing Assistance Council, National Association of Home Builders, Rural Housing Alliance, and American Association of Housing Educators. Approximately 100 recipients responded with about 65 pieces of relevant research submitted to the Associates for review and annotation. The research assistant and student assistant are in the process of completing an inventory of the research submitted and reviewing the materials. In addition, the abstracting process was initiated, and approximately 40 pieces have been abstracted to be included in an annotated bibliography.

They include a brief description of the study including purpose, procedure, sample, instrument, and the major findings. A first draft of the bibliography is well under way.

FOURTH QUARTER

Progress on the housing task force has been made with 90 applicable research materials annotated. Numerous references were identified but few were pertinent or relevant to the scope of the project. Work on the card file system has continued. The 90 annotations were divided into the four topic areas as follows: (1) design for low-income housing, 43; (2) remodeling and/or rehabilitation, 8; (3) home financing, 8; and (4) rural housing needs, 31.

These studies were gathered from computer searches of research on rural housing: CRIS, SSIE, NTIS, Dissertation Abstracts International, and from Home Economics Research Abstracts, Home Economics Research Journal, Housing Educators Journal, IAHS International Housing Symposium on Housing Problems - 1976 and 1972, and through correspondence with housing researchers in the nation. Many of the research directors and sponsors of research projects could not or did not respond to letters requesting information concerning their research projects. Others said to write later for materials and information. As a result, a complete inventory of research in rural housing was not possible in the time frame of the task force. There is need for further inventory work as well as for research in the housing field.

Work has begun on the synthesis to be included with the annotations in the bibliography. By April 10, 1977, copies of the completed annotations will be sent to the other members of the task force for review and comment. Any comments or suggestions received by April 20, 1977, will be considered before the final bibliography is prepared and sent to the Center on May 1, 1977.

APPENDIX

FUNCTIONAL NETWORK MEMBERSHIP
REPRESENTATIVE CHART

	Institutions/ Agencies			Fields of Interest		
	1862 Institutions	1890 Institutions	Other Institutions/ Agencies	Economist*	Sociologist*	Other Fields
Alabama	5	5	2	6	3	6
Arkansas	4	2		4	1	2
Florida	2		1	3		
Georgia	6	2	1	8		1
Kentucky	8	2	1	5	3	3
Mississippi	2					2
North Carolina	3	3	3	2	4	3
Oklahoma	5	1		5		1
South Carolina	1				1	
Tennessee	3			2	1	1
Texas	7	1	2	5	3	4
Virginia	5	2	2	5		4
Washington, D. C.			5	3		2
Total	51	18	17	48	16	29

*Seven individuals represent both Economist and Sociologist.